

ED / Sam

6/22/98

## MEMORANDUM

Quantity Problems

VMR ~~shows~~ volume

11

11

QUALITY / STATIC

Case, Problems

MUST GET DEFECTS < 1%

## KEYBOARD

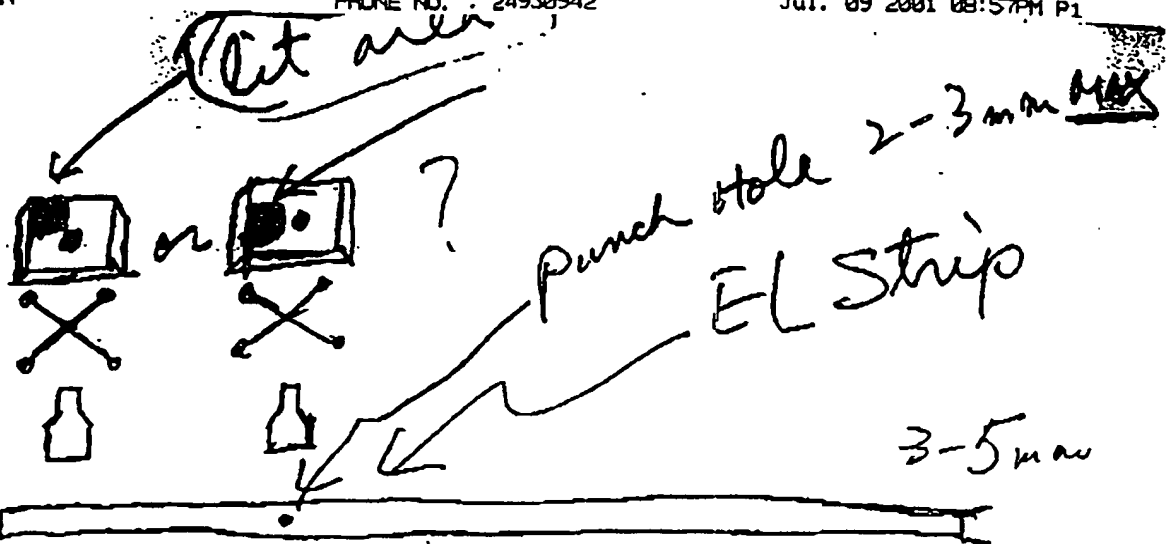
EL BETTER THAN LED

- LOW POWER (LAPTOP)
- " HEAT
- MIN CHANGE TO KEYBOARD
- EVEN LIGHT UNDER / BETWEEN KEY
- NO LIGHT PIPE
- HIGH COST - TRY STRIPS INSTEAD

FULL SHEET

- INVERTER WORK. COST

INVOICES - WIRE TRANS. PMT

Randy  
EL  
Board

EL →

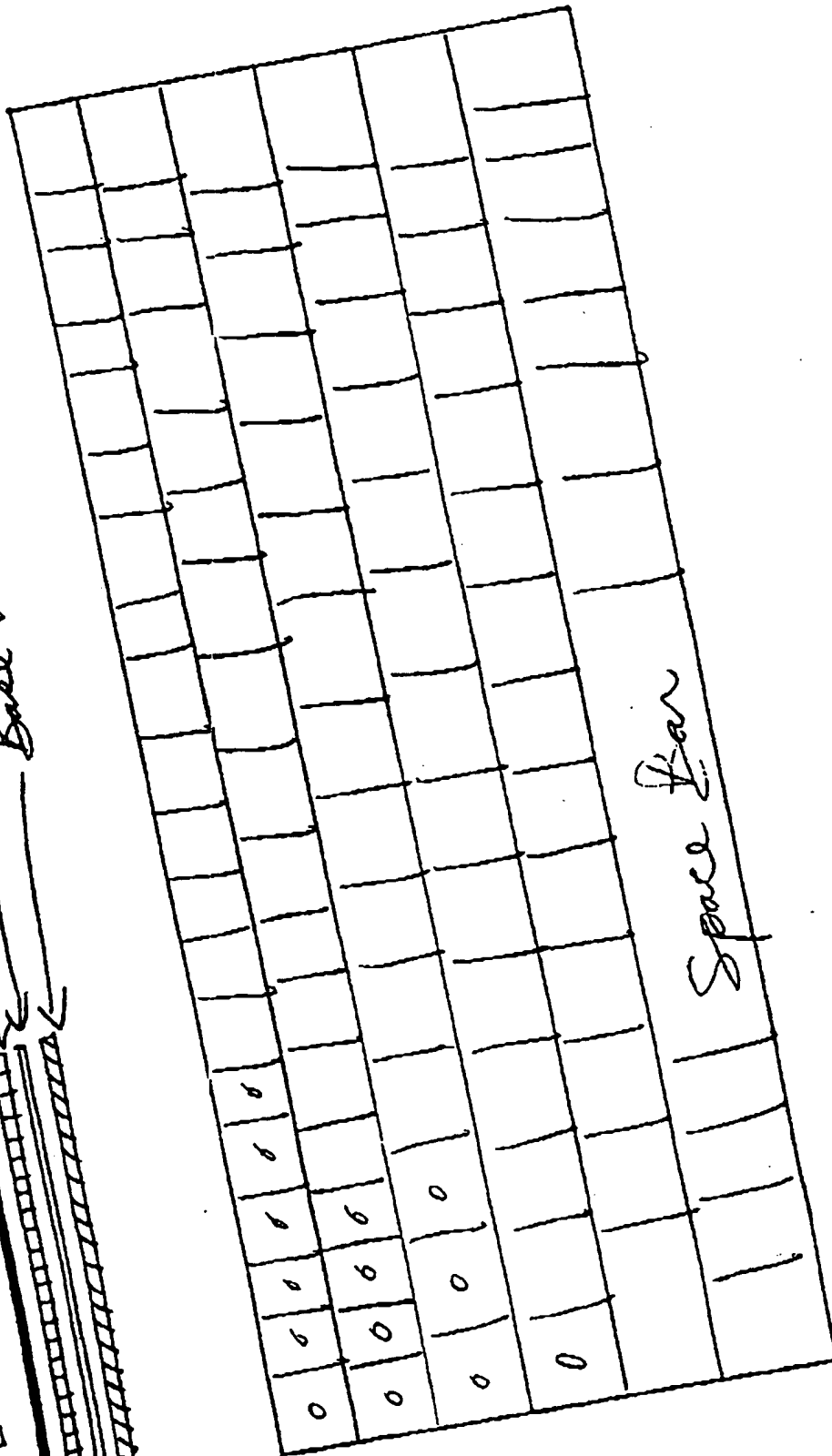
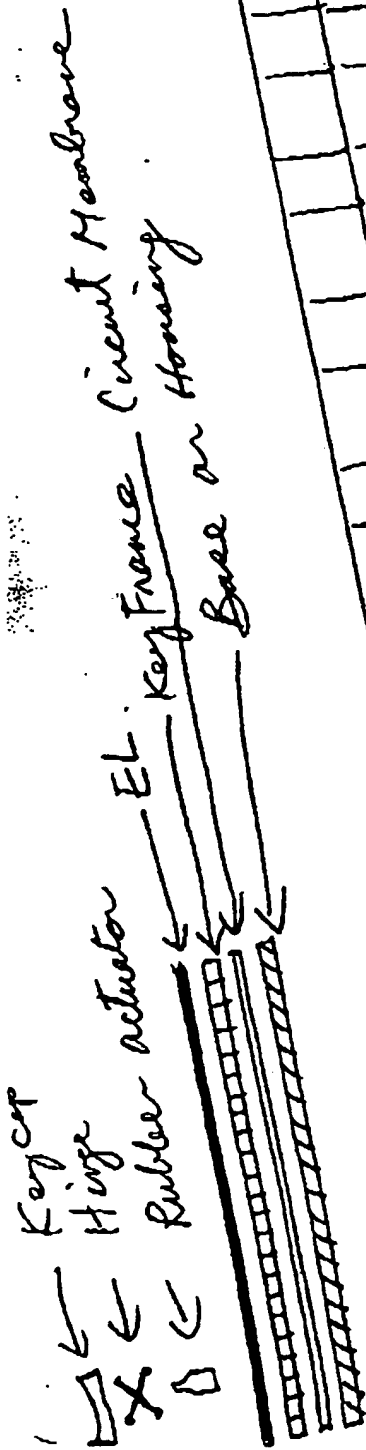
Plastic  
Key

Frame

Make EL Strip according  
to the LIT AREA.

Die Cut?

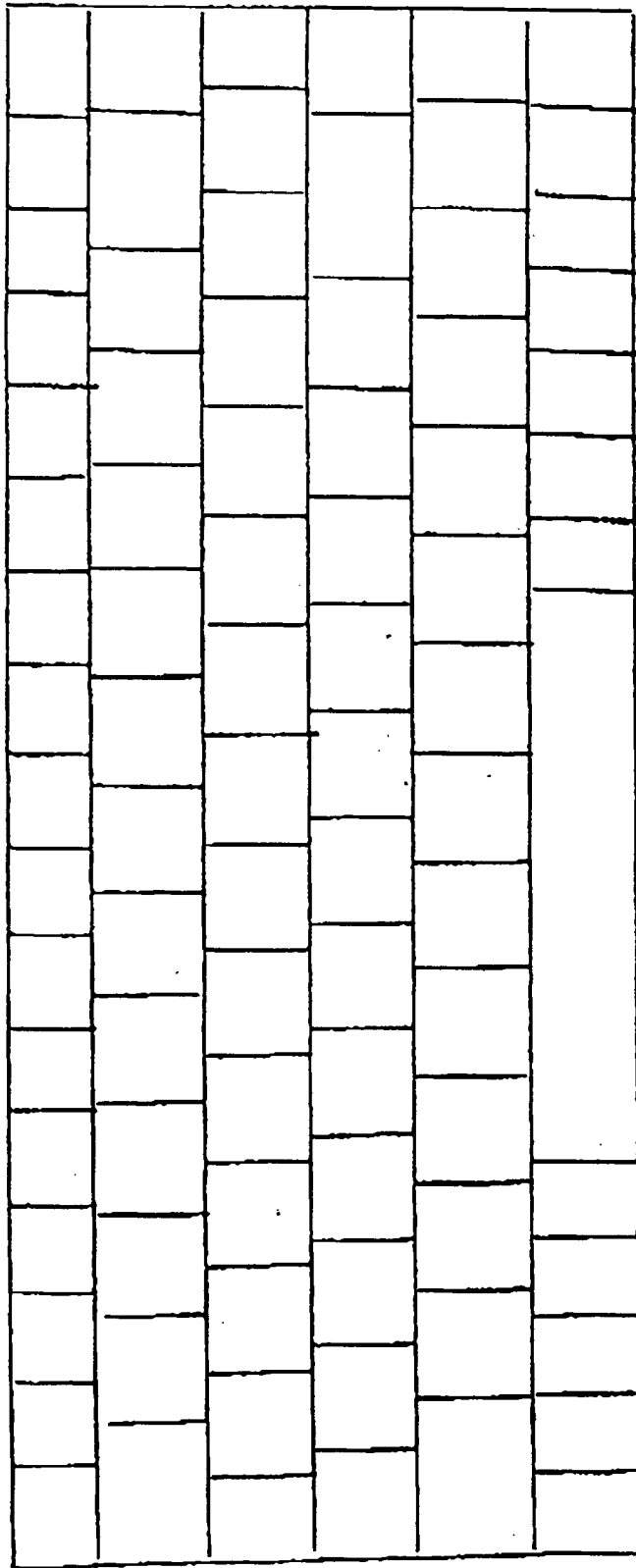
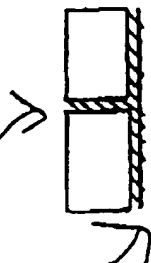
June 29, 98



June 29, 98



There will be light between keys. X and Y axes.  
Every key has a clearance about 2 mm to the others.



June 30, 98.

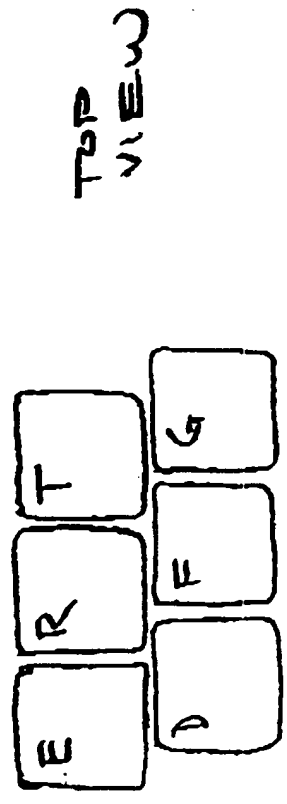
# LAPTOP

# SCHEMATIC

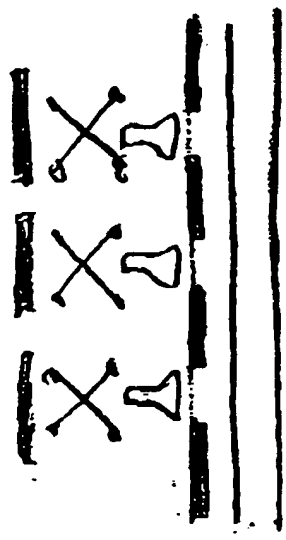
7/13/98

P. 006

TEL: 813 960 2700



- KEY TOPS
- KEY HINGES
- RUBBER PLUNGER
- ← BASE PLATE (PLASTIC)
- ← CIRCUIT MEMBRANE
- ← BOTTOM PLATE (METAL)



- ① LUMINESCENT LIGHT SHEET ADDED BETWEEN BASE PLATE & CIRCUIT, REQUIRING CLEAR PARTS - PLATE, HINGE, KEY
- ② ADD LIGHT ABOVE BASE PLATE - DIRECTLY BELOW KEY TOP
  - WILL IT LOOK OK WHEN NOT LIGHTED
  - SEED BETWEEN KEY - CAN IT BE SUKSCURED TO LOOK DARK?
  - PUNCH HOLES IN EL? SEAL
  - LIGHT WILL COME THRU KEY & BETWEEN KEYS

QUESTECH

PERCUT-Systems, N. J.

EXHIBIT

A - page 5

To : Ed. Church - Questech.  
From : Sam Chan.  
Date : August 5, 1998.

AVANTECH  
MANUFACTURING  
COMPANY

RK ✓  
Board!  
file

A | M | C

Other topic  
removed  
for  
confidentiality ©

Dear Ed.,

We are working on the light output of the new Keyboard and will send our design by fax and FedEx. when it is ready. Please contact Ken Podersen to see if the design patentable. We will not make a prototype this time but go straight ahead with tooling. We hope that we will be able to send our production sample by Mid-October. If you have any suggestion on the project, please let us have your valuable opinion.

Best regards.

Sam Chan  
SDKcc

Rm.473-475, Block 2, Yip On Factory Estate, Wang Hoi Road, Kowloon Bay, Kowloon.  
Tel.(852) 2754-3577, 2751-9781 FAX: (852) 2795-2106



To : Ed. Church - Questech.  
From : Sam Chan.  
Date : August 12, 1998.  
Ref. : Leatherette Box.

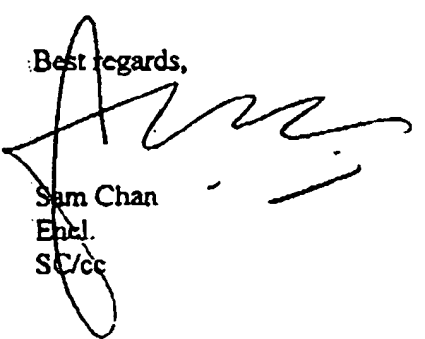
**AVANTECH  
MANUFACTURING  
COMPANY**

**A | M | C**

Dear Ed.,

- 1) We are sending 100 Leatherette Boxes for AMW today.
- 2) We also attached herewith 2 designs for the Key Board with Back Light for your reference. Please let us know if you have any suggestion.

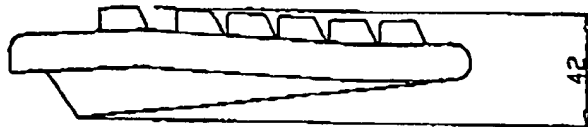
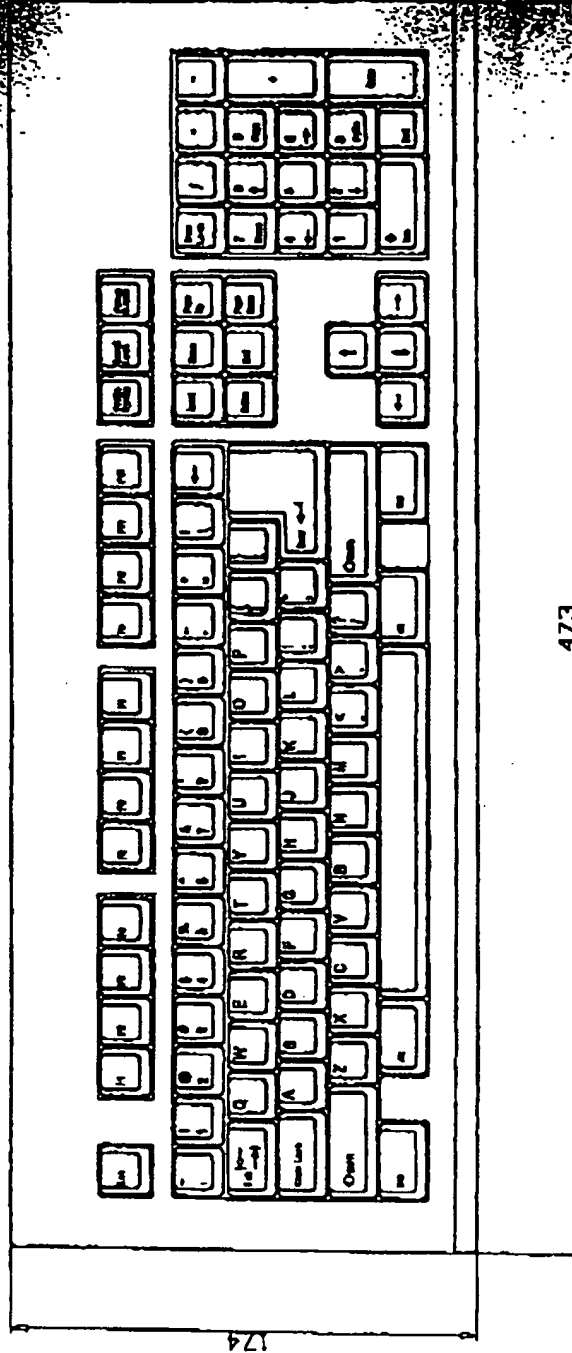
Best regards,

  
Sam Chan  
Encl.  
SC/cc

Rm.473-475, Block 2, Yip On Factory Estate, Wang Hoi Road, Kowloon Bay, Kowloon.  
Tel.{852} 2754-3577, 2751-9781 Fax.:{852} 2795-2106



D.C.N. NO.	REV. ZONE	DESCRIPTION	DATE	APPRO.



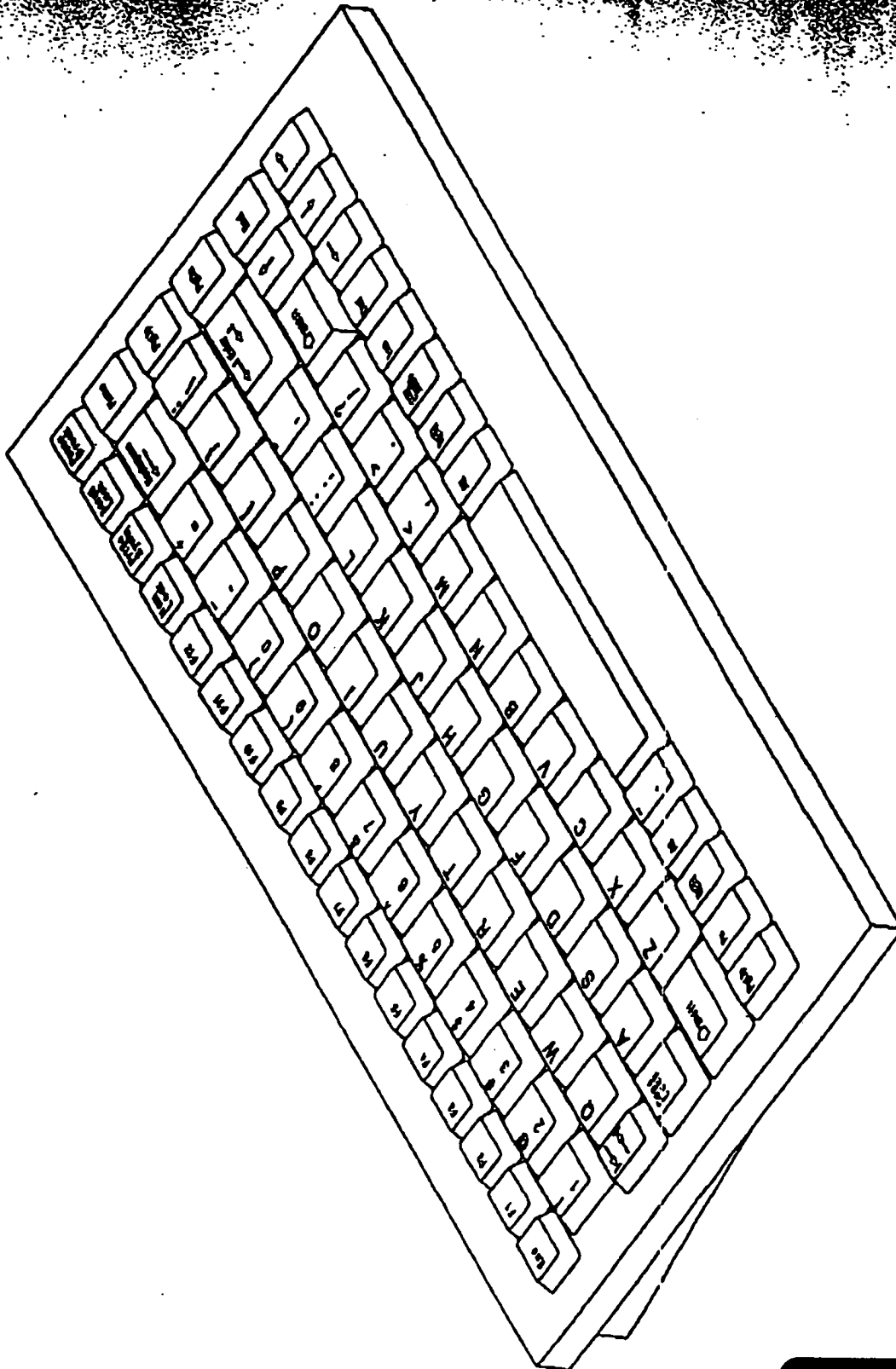
DRAWN:	D.W.H.U.	UNLESS OTHERWISE SPECIFIED	TOP MOS MICROPROCESSING DEVELOP CO. LTD.	DATE	REV.	ZONE	DESCRIPTION	DATE	APPRO.
CHECKED			UNL.						
APPROD.			FINISH						
PRODUCTION									

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EXHIBIT  
A-page 8



D.C.N. NO.	REV.	ZONE	DESCRIPTION	DATE	APPR.



DRAWN.	D.W.HU	TOP/MOS	DATE
CHECKED		MAIL	
APPRO.		MAIL	
BY		MAIL	
DATE		MAIL	

EXHIBIT  
A-page 9

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